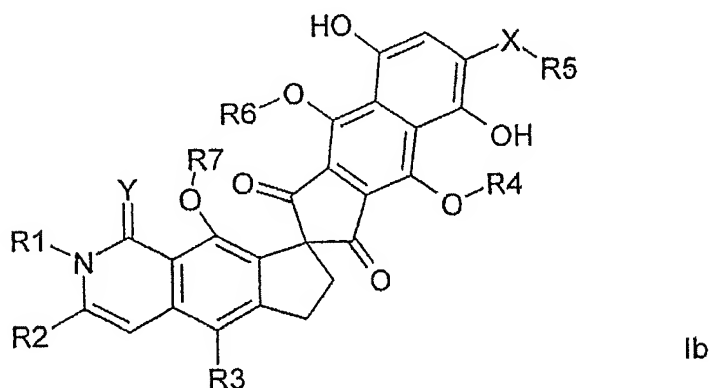
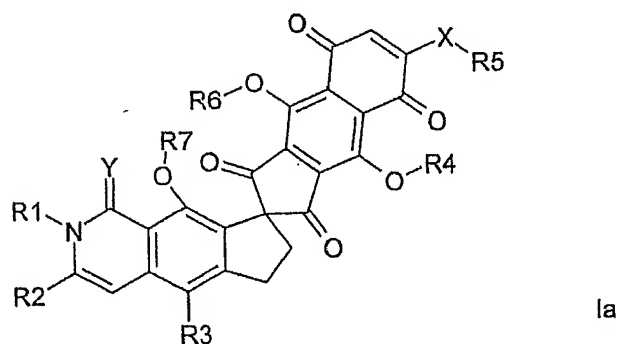


AMENDMENTS TO THE CLAIMS

1. (Currently amended) A compound according to the general formula Ia or Ib:



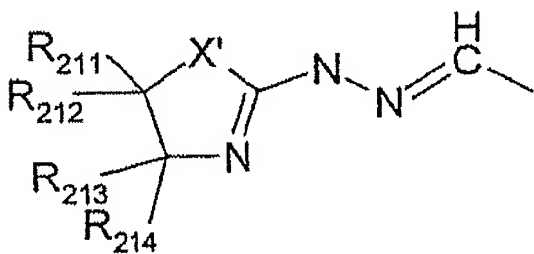
wherein in each

R1 means H, C₁-C₆ alkyl, cycloalkyl, or C₁-C₄ alkylcycloalkyl,

R3 means H and

R2 means aryl, C₁-C₄ alkylaryl, heteroaryl, C₁-C₄ alkylheteroaryl, C₂-C₄ alkenylheteroaryl, cycloalkyl, C₁-C₄ alkylcycloalkyl, heterocycloalkyl, C₁-C₄ alkylheterocycloalkyl, C_mH_{2m+o-p}Y'_p (with m = 1 to 6, for o = 1, p = 1 to 2m+o; for m = 2 to 6, o = -1, p = 1 to 2m+o; for m = 4 to 6, o = -2, p = 1 to 2m+o; Y' = independently selected from the group consisting of halogen, OH, OR21, NH₂, NHR21, NR21R22, and SH, SR21), (CH₂)_rCH₂NHCOR21, (CH₂)_rCH₂OCOR21, (CH₂)_rCH₂NHCSR21, (CH₂)_rCH₂S(O)_nR21, with n = 0, 1, 2, (CH₂)_rCH₂SCOR21, (CH₂)_rCH₂OSO₂-R21, (CH₂)_rCHO, (CH₂)_rCH=NOH, (CH₂)_rCH(OH)R21, -(CH₂)_rCH=NOR21, (CH₂)_rCH=NOCOR21, (CH₂)_rCH=NOCH₂CONR21R22, (CH₂)_rCH=NOCH(CH₃)CONR21R22,

$(\text{CH}_2)_r\text{CH}=\text{NOC}(\text{CH}_3)_2\text{CONR}_{21}\text{R}_{22}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHCO-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{O})\text{NH-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{S})\text{NH-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{NH})\text{NH-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{NH})\text{-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHCO-CH}_2\text{NHCOR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{N-O-CH}_2\text{NHCOR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHCS-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{CR}_{24}\text{R}_{25}$ (trans or cis), $(\text{CH}_2)_r\text{COOH}$, $(\text{CH}_2)_r\text{COOR}_{21}$, $(\text{CH}_2)_r\text{CONR}_{21}\text{R}_{22}$, $-(\text{CH}_2)_r\text{CH}=\text{NR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{N-NR}_{21}\text{R}_{22}$,

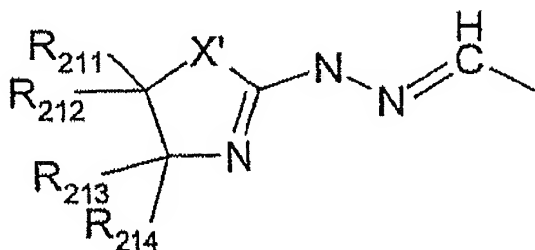


, and the $(\text{CH}_2)_r$ -chain elongated group $(\text{CH}_2)_r\text{CH}=\text{N-N-(C}_3\text{NX'R}_{211}\text{R}_{212}\text{R}_{213}\text{R}_{214})$ (with $\text{X}' = \text{NR}_{215}$, O, S, and R_{211} , R_{212} , R_{213} , R_{214} , R_{215} being independently H or $\text{C}_1\text{-C}_6$ alkyl), $-(\text{CH}_2)_r\text{CH}=\text{N-NHSO}_2$ aryl, or $-(\text{CH}_2)_r\text{CH}=\text{N-NHSO}_2$ heteroaryl, with $r = 0, 1, 2, 3, 4, 5$,
or

R_3 means F, Cl, Br, I, OH, OR_{31} , NO_2 , NH_2 , NHR_{31} , $\text{NR}_{31}\text{R}_{32}$, NHCHO , NHCOR_{31} , NHCOCF_3 , $\text{CH}_3\text{-}_m\text{hal}_m$ (with $\text{hal} = \text{Cl, F}$, and $m = 1, 2, 3$), or OCOR_{31} , and

R_2 means H, $\text{C}_1\text{-C}_{14}$ alkyl, $\text{C}_2\text{-C}_{14}$ alkenyl, aryl, $\text{C}_1\text{-C}_4$ alkylaryl, heteroaryl, $\text{C}_1\text{-C}_4$ alkylheteroaryl, $\text{C}_2\text{-C}_4$ alkenylheteroaryl, cycloalkyl, $\text{C}_1\text{-C}_4$ alkylcycloalkyl, heterocycloalkyl, $\text{C}_1\text{-C}_4$ alkylheterocycloalkyl, $\text{C}_m\text{H}_{2m+o-p}\text{Y}'_p$ (with $m = 1$ to 6 , for $o = 1$, $p = 1$ to $2m+o$; for $m = 2$ to 6 , $o = -1$, $p = 1$ to $2m+o$; for $m = 4$ to 6 , $o = -2$, $p = 1$ to $2m+o$; $\text{Y}' =$ independently selected from the group consisting of halogen, OH, OR_{21} , NH_2 , NHR_{21} , $\text{NR}_{21}\text{R}_{22}$, and SH, SR_{21}), $(\text{CH}_2)_r\text{CH}_2\text{NHCOR}_{21}$, $(\text{CH}_2)_r\text{CH}_2\text{OCOR}_{21}$, $(\text{CH}_2)_r\text{CH}_2\text{NHCSR}_{21}$, $(\text{CH}_2)_r\text{CH}_2\text{S}(\text{O})_n\text{R}_{21}$, with $n = 0, 1, 2$, $(\text{CH}_2)_r\text{CH}_2\text{SCOR}_{21}$, $(\text{CH}_2)_r\text{CH}_2\text{OSO}_2\text{-R}_{21}$, $(\text{CH}_2)_r\text{CHO}$, $(\text{CH}_2)_r\text{CH}=\text{NOH}$, $(\text{CH}_2)_r\text{CH}(\text{OH})\text{R}_{21}$, $-(\text{CH}_2)_r\text{CH}=\text{NOR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{NOCOR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{NOCH}_2\text{CONR}_{21}\text{R}_{22}$, $(\text{CH}_2)_r\text{CH}=\text{NOCH}(\text{CH}_3)\text{CONR}_{21}\text{R}_{22}$, $(\text{CH}_2)_r\text{CH}=\text{NOC}(\text{CH}_3)_2\text{CONR}_{21}\text{R}_{22}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHCO-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{O})\text{NH-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{S})\text{NH-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{NH})\text{NH-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{NH})\text{-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHCO-CH}_2\text{NHCOR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{N-O-CH}_2\text{NHCOR}_{21}$,

$(\text{CH}_2)_r\text{CH}=\text{N}-\text{NHCS}-\text{R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{CR}_{24}\text{R}_{25}$ (trans or cis), $(\text{CH}_2)_r\text{COOH}$, $(\text{CH}_2)_r\text{COOR}_{21}$, $(\text{CH}_2)_r\text{CONR}_{21}\text{R}_{22}$, $-(\text{CH}_2)_r\text{CH}=\text{NR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{N}-\text{NR}_{21}\text{R}_{22}$,



, and the $(\text{CH}_2)_r$ -chain elongated group $(\text{CH}_2)_r\text{CH}=\text{N}-\text{N}-(\text{C}_3\text{NX}'\text{R}_{211}\text{R}_{212}\text{R}_{213}\text{R}_{214})$ (with $\text{X}' = \text{NR}_{215}$, O, S, and R_{211} , R_{212} , R_{213} , R_{214} , R_{215} being independently H or C_1 - C_6 alkyl), $-(\text{CH}_2)_r\text{CH}=\text{N}-\text{NHSO}_2$ aryl, or $-(\text{CH}_2)_r\text{CH}=\text{N}-\text{NHSO}_2$ heteroaryl, with $r = 0, 1, 2, 3, 4, 5$,

R_{21} , R_{22} are independently H, C_1 - C_{14} alkyl, C_1 - C_{14} alkanoyl, C_1 - C_6 alkylhydroxy, C_1 - C_6 alkoxy, C_1 - C_6 alkylamino, C_1 - C_6 alkylamino- C_1 - C_6 alkyl, C_1 - C_6 alkylamino-di- C_1 - C_6 -alkyl, cycloalkyl, C_1 - C_4 alkylcycloalkyl, heterocycloalkyl, C_1 - C_4 alkylheterocycloalkyl, aryl, aryloyl, C_1 - C_4 alkylaryl, heteroaryl, heteroaryloyl, C_1 - C_4 alkylheteroaryl, cycloalkanoyl, C_1 - C_4 alkanoylcycloalkyl, heterocycloalkanoyl, C_1 - C_4 alkanoylheterocycloalkyl, C_1 - C_4 alkanoylaryl, C_1 - C_4 alkanoylheteroaryl, or R_{21} and R_{22} , together with the N, form a ring with 4, 5, 6, 7, or 8 members, which may optionally contain still another heteroatom selected from the group N, O, and S,

R_{23} independently of R_{21} , has the same meanings as R_{21} , or CH_2 -pyridinium salts, CH_2 -tri- C_1 - C_6 alkylammonium salts, CONH_2 , CSNH_2 , CN, or CH_2CN ,

R_{24} independently of R_{21} , has the same meanings as R_{21} , or H, CN, COCH_3 , COOH , COOR_{21} , $\text{CONR}_{21}\text{R}_{22}$, NH_2 , or NHCOR_{21} ,

R_{25} independently of R_{21} , has the same meanings as R_{21} , or H, CN, COCH_3 , COOH , COOR_{21} , $\text{CONR}_{21}\text{R}_{22}$, NH_2 , or NHCOR_{21} ,

R24, R25 together with the N, form a ring with 4, 5, 6, 7, or 8 members, which may optionally contain still another heteroatom selected from the group N, O, and S,

R31, R32 are independently C₁-C₆ alkyl, or R31 and R32, together with the N, form a ring with 4, 5, 6, 7, or 8 members, which may optionally contain still another heteroatom selected from the group N, O, and S,

R5 means H, C₁-C₂₀ alkyl, cycloalkyl, C₂-C₂₀ alkenyl, C₂-C₁₀ alkynyl, C₁-C₄ alkylcycloalkyl, heterocycloalkyl, C₁-C₄ alkylheterocycloalkyl, aryl, C₁-C₄ alkylaryl, heteroaryl, C₁-C₄ alkylheteroaryl, $C_{m+2m+o-p}H_{2m+o-p}Y_p$, $C_{m-2m+o-p}H_{2m+o-p}Y'_p$ (with m = 1 to 6, for o = 1, p = 1 to 2m+o; for m = 2 to 6, o = -1, p = 1 to 2m+o; for m = 4 to 6, o = -2, p = 1 to 2m+o; $\forall Y, Y'$ = independently selected from the group consisting of halogen, OH, ~~OR51~~ OR21, NH₂, ~~NHR51~~ NHR21, ~~NR51R52~~ NR21R22, SH, SR21),

R4, R6, R7 independently mean H, C₁-C₆ alkyl, CO-R41,

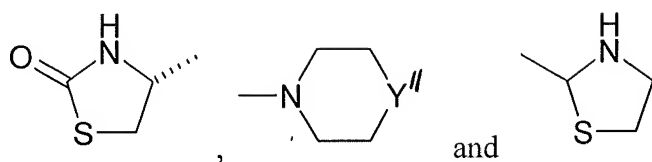
R41 independently from R21, has the same meanings as R21,

X means O, S, NH, N-R8, wherein R8 independently from R5 may adopt the same meaning as R5, or R5 and R8, together with the N, form a ring with 4, 5, 6, 7, or 8 members, which may optionally contain still another heteroatom selected from the group N, O, and S, or X-R5 may together be H,

Y means O, S, NR9, wherein R9 may be H or C₁-C₆ alkyl,

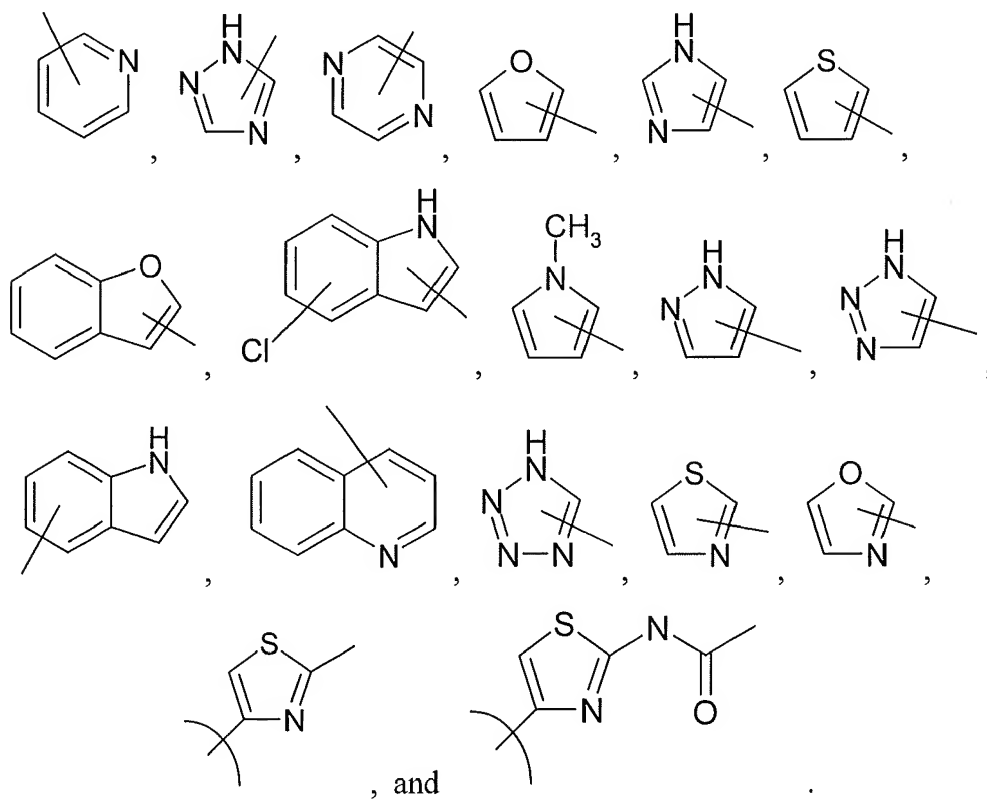
as well their stereoisomers, tautomers, and their physiologically tolerable salts,

wherein heterocycloalkyl by itself or as part of another substituent means a group selected from the group consisting of pyrrolidine, piperidine, morpholine,

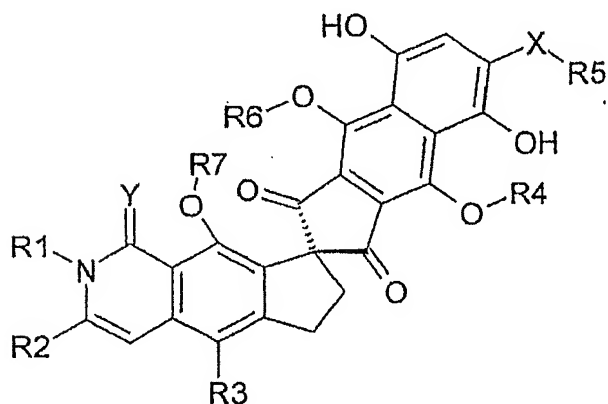
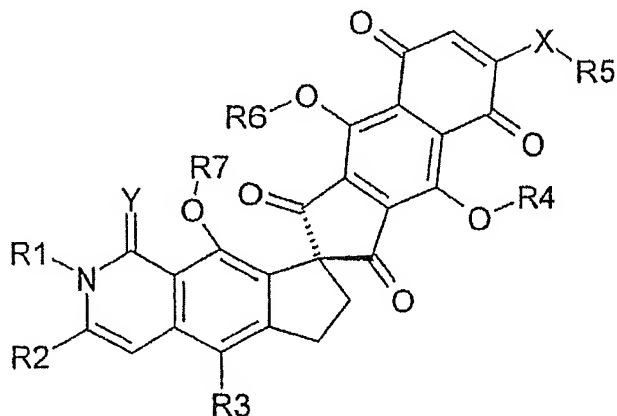


wherein Y'' means CH_2 , S, O, NH, or NC_1-C_6 alkyl, and

wherein heteroaryl by itself or as part of another substituent means means a ring system selected from the group consisting of

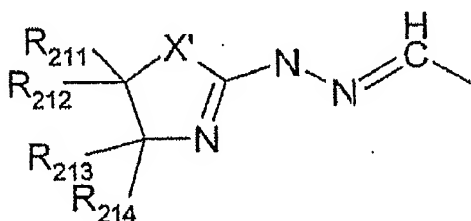


2. (Previously Presented) The compound according to claim 1, wherein Formula Ia or Ib adopts the stereochemistry of Formula IIa or IIb



3. (Previously Presented) The compound of Formula Ia, Ib, IIa, IIb according to claim 2, wherein R2 has a water solubility that is at least two times higher compared to R2 being $\text{CH}=\text{CH}-\text{CH}=\text{CH}-\text{CH}_3$, with all other groups being maintained.
4. (Previously Presented) The compound according to claim 1, wherein R3 means F, Cl, Br, I, OH, OR31, NO₂, NH₂, NHR31, NR31R32, NHCHO, NHCOR31, NHCOCF₃, CH_{3-m}hal_m (with hal = Cl, F, and m = 1, 2, 3), or OCOR31.
5. (Previously presented) The compound according to claim 1, wherein R3 means (CH₂)_rCHO, (CH₂)_rCH=NOH, -(CH₂)_rCH=NOR21, (CH₂)_rCH=NOCOR21,

$(\text{CH}_2)_r\text{CH}=\text{NOCH}_2\text{CONR}_{21}\text{R}_{22}$, $(\text{CH}_2)_r\text{CH}=\text{NOCH}(\text{CH}_3)\text{CONR}_{21}\text{R}_{22}$,
 $(\text{CH}_2)_r\text{CH}=\text{NOC}(\text{CH}_3)_2\text{CONR}_{21}\text{R}_{22}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHCO-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{O})\text{NH-R}_{23}$,
 $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{S})\text{NH-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{NH})\text{NH-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{N-NHC}(\text{NH})\text{-R}_{23}$,
 $(\text{CH}_2)_r\text{CH}=\text{N-NHCO-CH}_2\text{NHCOR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{N-O-CH}_2\text{NHCOR}_{21}$,
 $(\text{CH}_2)_r\text{CH}=\text{N-NHCS-R}_{23}$, $(\text{CH}_2)_r\text{CH}=\text{CR}_{24}\text{R}_{25}$ (trans or cis), $(\text{CH}_2)_r\text{CH}=\text{NR}_{21}$, $(\text{CH}_2)_r\text{CH}=\text{N-NR}_{21}\text{R}_{22}$,



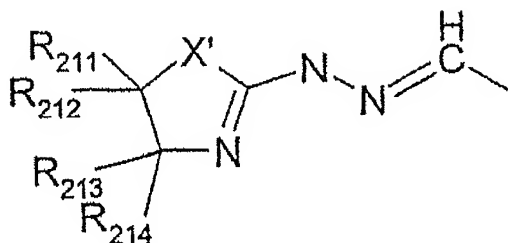
and the $(\text{CH}_2)_r$ -chain elongated group $(\text{CH}_2)_r\text{CH}=\text{N-N-(C}_3\text{NX'R}_{211}\text{R}_{212}\text{R}_{213}\text{R}_{214})$ (with X' = NR₂₁₅, O, S, and R₂₁₁, R₂₁₂, R₂₁₃, R₂₁₄, R₂₁₅ being independently H or C₁-C₆ alkyl),
 $(\text{CH}_2)_r\text{CH}=\text{N-NHSO}_2$ aryl, $(\text{CH}_2)_r\text{CH}=\text{N-NHSO}_2$ heteroaryl, with r = 0, 1, 2, 3, 4, 5.

6. (Previously Presented) The compound according to claim 1, wherein X means N or S, or X-R₅ is OH.

7. (Previously Presented) The compound according to claim 1, wherein

R₁ means H, C₁-C₅ alkyl, cycloalkyl,

R₂ means C₁-C₅ alkyl, C₁-C₄ alkylaryl, C₂-C₅ alkenyl, heteroaryl, C₁-C₄ alkylheteroaryl,
 CHF₂, CF₃, polyol side chain, CH₂Y (Y = F, Cl, Br, I), CH₂NH₂, CH₂NR₂₁R₂₂, CH₂NHCOR₂₃,
 CH₂NHCSR₂₃, CH₂SH, CH₂S(O)_nR₂₁, with n = 0, 1, 2, CH₂SCOR₂₁, CH₂OH, CH₂OR₂₁,
 CH₂OSO₂-R₂₁, CHO, CH(OR₂₁)₂, CH(SR₂₁)₂, CN, CH=NOH, CH=NOR₂₁, CH=NOCOR₂₁,
 CH=N-NHCO-R₃₂, CH=CR₂₄, R₂₅ (trans or cis), COOH, COOR₂₁, CONR₂₁R₂₂,
 -CH=NR₂₁, -CH=N-NR₂₁R₂₂,



(with $X' = \text{NR}_{215}, \text{O}, \text{S}$, and $\text{R}_{211}, \text{R}_{212}, \text{R}_{213}, \text{R}_{214}, \text{R}_{215}$ being independently H or $\text{C}_1\text{-C}_6$ alkyl), $-\text{CH}=\text{N}-\text{NHSO}_2$ aryl, $-\text{CH}=\text{N}-\text{NHSO}_2$ heteroaryl, or $\text{CH}=\text{N}-\text{NHCO}-\text{R}_{23}$,

$\text{R}_{21}, \text{R}_{22}$ independently mean $\text{C}_1\text{-C}_6$ alkyl, cycloalkyl, aryl, $\text{C}_1\text{-C}_4$ alkylaryl, heteroaryl, or $\text{C}_1\text{-C}_4$ alkylheteroaryl,

R_{23} independently of R_{21} , has the same meanings as R_{21} , or CH_2 -pyridinium salts, or CH_2 -tri- $\text{C}_1\text{-C}_6$ alkylammonium salts,

R_{24} independently of R_{21} , has the same meanings as R_{21} , or $\text{H}, \text{CN}, \text{COCH}_3, \text{COOH}, \text{COOR}_{21}, \text{CONR}_{21}\text{R}_{22}, \text{NH}_2$, or NHCOR_{21} ,

R_{25} independently of R_{21} , has the same meanings as R_{21} , or $\text{H}, \text{CN}, \text{COCH}_3, \text{COOH}, \text{COOR}_{21}, \text{CONR}_{21}\text{R}_{22}, \text{NH}_2$, or NHCOR_{21} ,

$\text{R}_{24}, \text{R}_{25}$ together mean $\text{C}_4\text{-C}_8$ cycloalkyl,

R_3 means $\text{F}, \text{Cl}, \text{Br}, \text{I}, \text{NO}_2, \text{NH}_2$, or NHCOR_{31} ,

R_{31} independently means $\text{C}_1\text{-C}_6$ alkyl,

R_5 means $\text{H}, \text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_3\text{-C}_8$ cycloalkenyl, $\text{C}_1\text{-C}_6$ alkenyl, $\text{C}_1\text{-C}_6$ alkynyl, $\text{C}_1\text{-C}_4$ alkylcycloalkyl, heterocycloalkyl, $\text{C}_1\text{-C}_4$ alkylheterocycloalkyl, aryl, $\text{C}_1\text{-C}_4$ alkylaryl, heteroaryl, $\text{C}_1\text{-C}_4$ alkylheteroaryl, $\text{C}_m\text{H}_{2m+o-p}\text{Y}'_p$ (with $m = 1$ to 6 , for $o = 1, p = 1$ to $2m+o$; for $m = 2$ to $6, o = -1, p = 1$ to $2m+o$; for $m = 4$ to $6, o = -2, p = 1$ to $2m+o$; $\text{Y}' =$

independently selected from the group consisting of halogen, OH, OR21, NH₂, NHR21, NR21R22, SH, SR21), hydroxyalkyl with one or more OH groups,

R4, R6, R7 independently mean H, C₁-C₅ alkyl, or CO-R41,

R41 independently from R21, has the same meanings as R21,

X means O, S, NH, or N-R8,

Y means O, or S.

8. (Canceled)

9. (Previously Presented) Drugs containing compounds according to claim 1, a carrier and adjuvants.

Claims 10-14 (Canceled)

15. (Previously Presented) A method of treating a tumor in a patient comprising administering an effective amount of a compound of claim 1 to said patient wherein said tumor is selected from the group consisting of lung, breast, melanoma, renal, uterine and prostate tumors.

16. (Previously Presented) A method of treating parasites comprising administering to a patient in need of such treatment an effective amount of a compound according to claim 1.

17. (Canceled)